

AMENDMENTS TO THE CLAIMS

**List of Claims:**

1. (Cancelled)

2. (Currently Amended): The measuring method according to ~~claim 1,~~ claim 4, wherein respective center positions of the rotating angle calculating marks are present in a region provided apart from a center position of the central mark by 13 mm to 17 mm.

3. (Currently Amended): The measuring method according to ~~claim 1,~~ claim 4, wherein the central mark is constituted by a rectangle and a circle provided apart from the rectangle ~~adjacently~~ adjacent to one of short sides of the rectangle.

4. (Original): A measuring method comprising the steps of:

photographing a flying sphere having printed thereon a recognition mark including a central mark having a directivity and three or more rotating angle calculating marks provided to surround the central mark twice at a predetermined time interval;

recognizing a central mark in each of two static images obtained by the photographing;

distinguishing and recognizing the rotating angle calculating marks in the respective static images based on

information about directions which are obtained from the central mark;

selecting the rotating angle calculating mark to be used for calculating a rotating angle based on correspondence of the rotating angle calculating mark of one of the static images with the rotating angle calculating mark of the other static image; and

calculating a rotating angle of the sphere from the selected rotating angle calculating mark.

5. (Cancelled)